

B/W DIGITAL VIDEOMEMORY 128 KIT Ref. 6115.

July 2003 Edition.

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ENGLISH



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INTRODUCTION

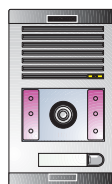
El **KIT VIDEOMEMORY** is an advanced Video Door entry system for simplified installations (no call wires) specially designed to be installed in single residential houses or villas.

It is basically composed of an **Outdoor Panel**, to be installed outdoors and a **Citymax Memory Monitor to be installed indoors**, and which stores images up to 128.

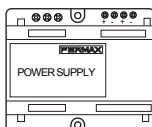
KIT COMPOSITION:

Equipments included:

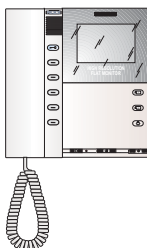
- A Video Outdoor Panel with embedding box



- A Power Supply



- A Monitor with its connector.



- An Electriclock



BASIC INSTALLATION:

Installation: 3 Wires + COAX.

Required sections:

DISTANCE (meters)	SECTION	COAX RG59
up to 100	1 mm ²	75 Ohm
100 to 150	1,5 mm ²	75 Ohm
150 to 200	2 mm ²	75 Ohm

IMPORTANT NOTE

✓ *Maximum distance in this installation is 200 metres.*

To make the utilisation, installation and handling of this equipment easier, this manual is divided into two Sections:

SECTION I: USER MANUAL

Shows how the **Users**, in other words all those who in one way or another are going to use the system, should handle the equipment.

SECTION II: INSTALLER MANUAL

This Section indicates all the steps and precautions to be followed for the proper installation of the equipment, leaving it in operating conditions in its basic setup (make and answer calls, open the door, etc.).

Diagrams for Kit assembly and connection of auxiliary devices are included as well as the technical features.

SECTION I

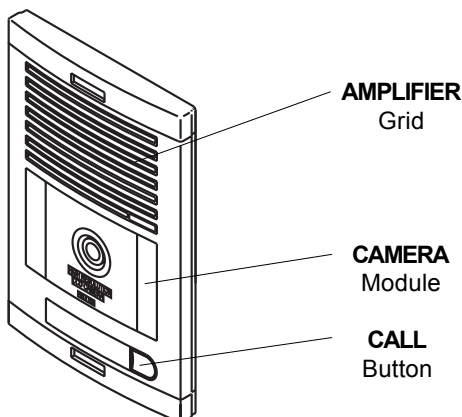
USER MANUAL

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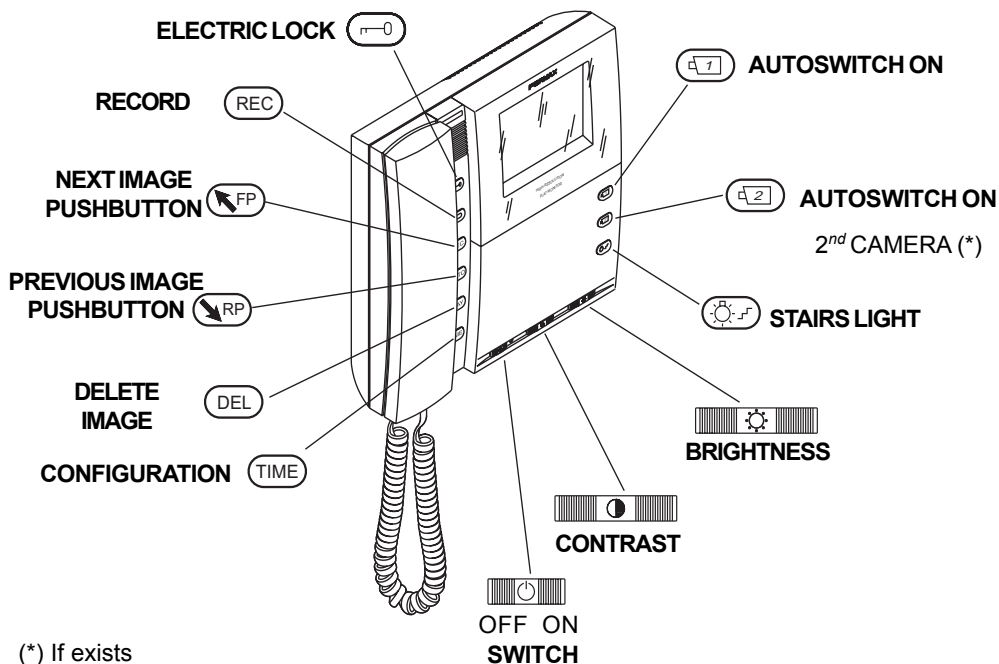
Video Door Entry System Operation 35

CONTROLS

OUTDOOR PANEL



MONITOR



(*) If exists

VIDEO DOOR ENTRY SYSTEM OPERATION

MEMORY OPERATION

MEMORY OPERATION

The **Video Memory 128** stores the last 128 images captured by the camera after calls are made. These pictures can be browsed and viewed afterwards, with the time and date when they were made.

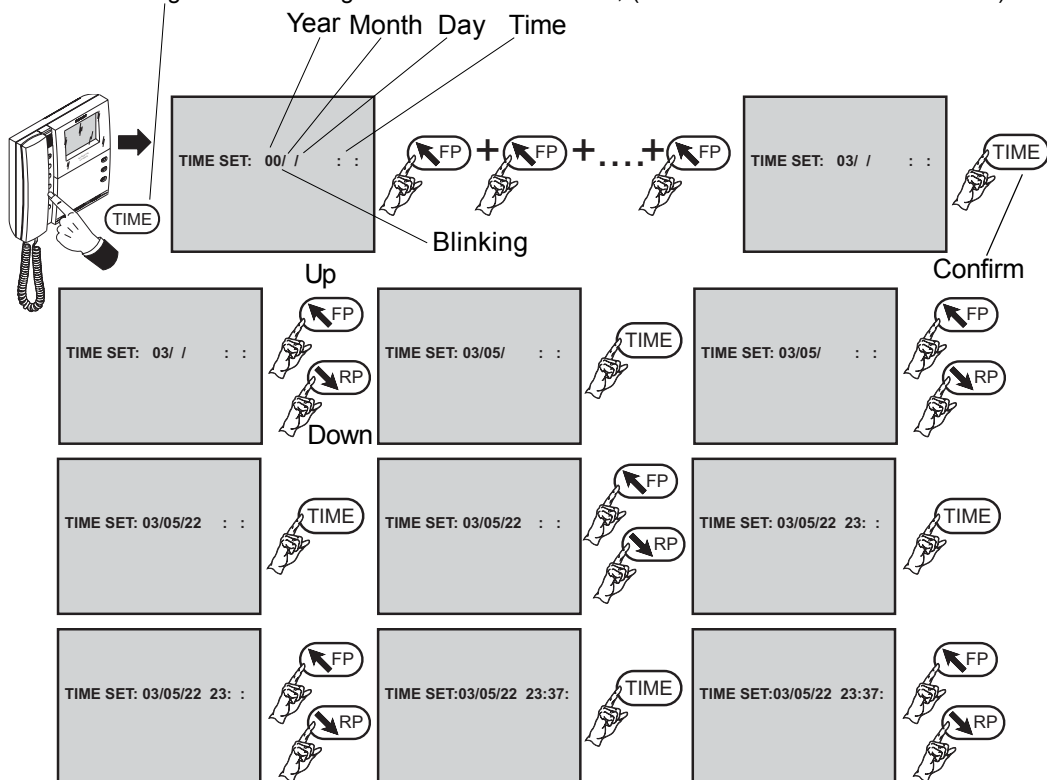
Year Month Day Time Total Picture amount

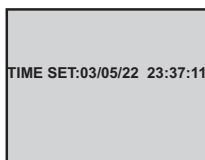
03/04/22 12:45:37 028

The monitor can work in any of the modes represented below, that can be selected by means of the memory operation pushbuttons.

TIME mode: to adjust the internal time and date.

Pressing «TIME» during 4 seconds and release, (with Monitor screen deactivated).





Up

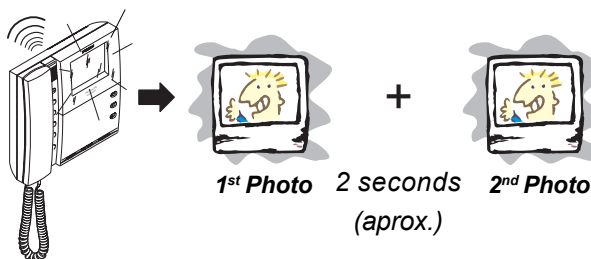


Down

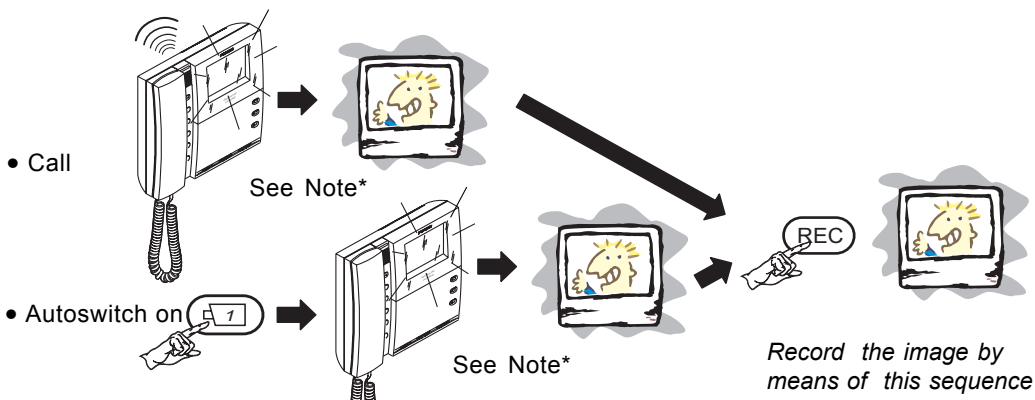


Confirm

STAND BY mode: The monitor is always in this mode waiting for a call. The monitor will take a photo automatically after a call is made and another one two seconds later. If the monitor is in different modes when the call is made, the monitor will not take photos.

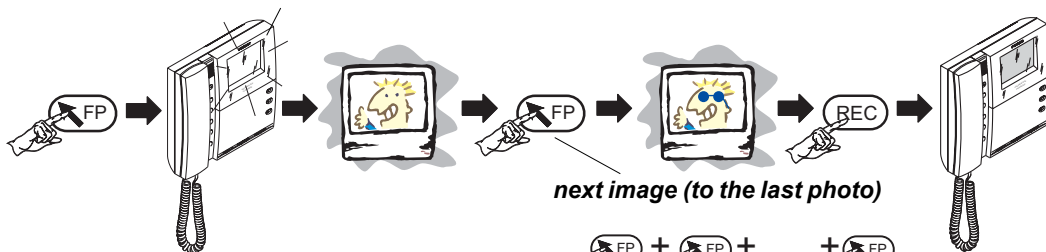


RECORD mode: to manually record an image.

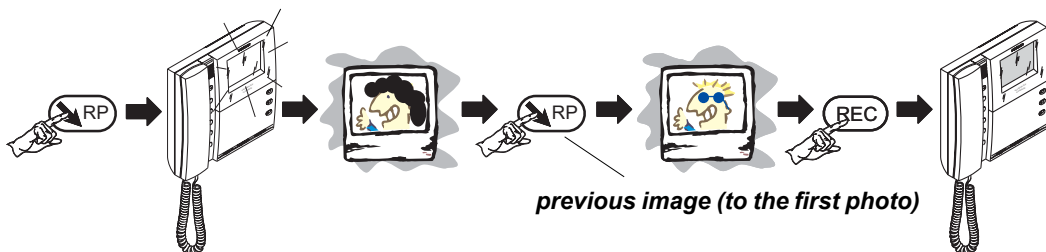


Note*: Record Mode, the Monitor must be on and the screen showing an image (because a call has been made or because the autoswitch on has been activated).

PLAY mode (FORWARD / REDWARD): to view and browse the recorded images.



The screen turns on and the last image when FORWARD was pressed is shown.



The screen turns on and the last image when REDWARD was pressed is shown.

DELETE mode: to delete the recorded images.

SCREEN OPTIONS

ALL DELETE ->	RP
ONE DELETE ->	FP
LAST DELETE ->	DEL
CANCEL ->	REC



Borrar todas las fotos/ All delete -> RP



Borrar una foto, (la elegida en pantalla) / One delete -> FP

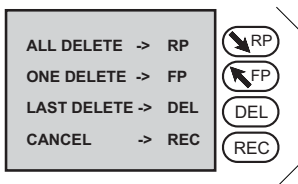
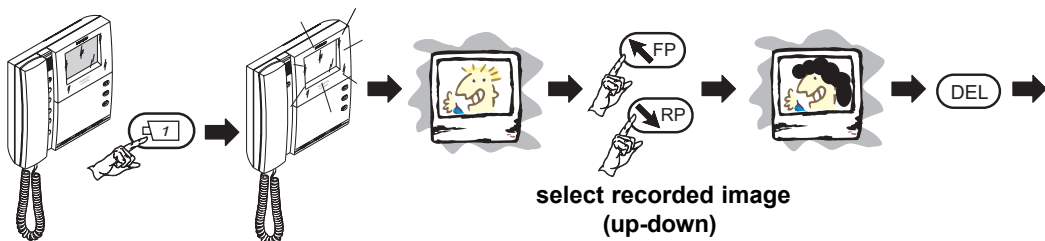


Borrar la última foto / Last Delete -> DEL



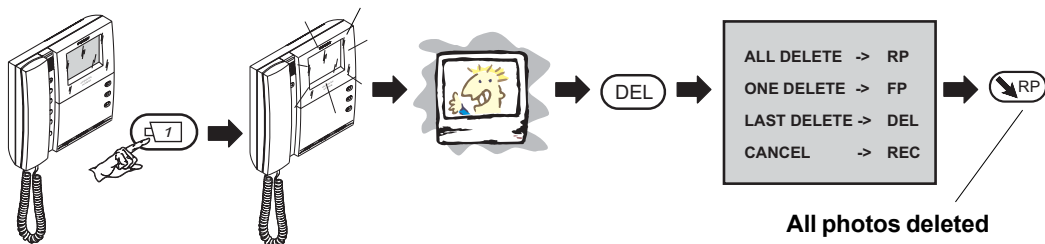
Salir sin borrar / Cancel -> REC

1. Delete a photo.



select «FP» option to delete la recorded image

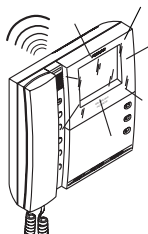
2. Delete whole memory (all photos).



IMPORTANT NOTE

- ✓ It is possible to connect a battery in Memory Monitor so in case the main supply fails the recorded images, time and date will not delete. Ask for to the installer.

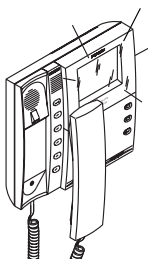
STANDARD OPERATION



Call

When the **Outdoor Panel** call button is pressed a call tone is heard both in the Outdoor Panel and the Monitor, the screen lights up and the ON-OFF indicator goes out.

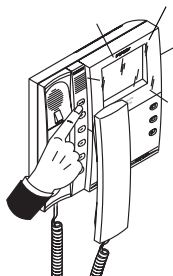
If there is any additional equipment in the house, these will also sound off. If the call is not answered, the equipment will be disconnected automatically after 30 seconds.




Answer the Call

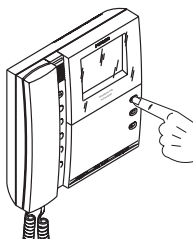
Pick up the phone receiver and you can have a conversation with the visitor.

If there are several equipment sets in the same house, the first one answered will automatically disconnect the rest. Communication time is limited to 90 seconds or until the phone is hung up, when the monitor will shut off automatically.





Open Door to Visitor

While talking to the visitor it is possible to open the door by pressing the  button. A synthesised message is heard at the Outdoor Panel: "Door is open, please close after entry."




Manual Monitor Activation (auto-on)

It is possible to turn on the monitor manually, in any of the following ways:

Press : to view main camera. The screen will stay lit for 30 seconds before switching off automatically. While the monitor is on you may open the door by pressing button . When the monitor is lit you can pick up the handset and speak to the person at the **Outdoor Panel** for 90 seconds or until you hang up and the door may be opened in the same way as if they had rung.

Press : to view backup camera.

NOTE:

- ✓ The ON/OFF switch  must be ON. For extended periods of absence, turn off the Monitor using this switch (audio and video disconnected).

SECTION II

INSTALLER MANUAL

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Outdoor Panel Installation 43

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Monitor Programming 45

Adjustments and Configurations 46

Kit Technical Features 47

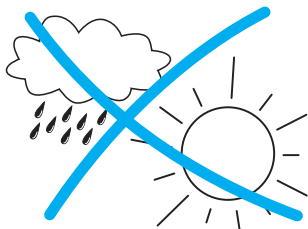
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Auxiliary Devices Wiring Diagram 50

Troubleshooting Table 52

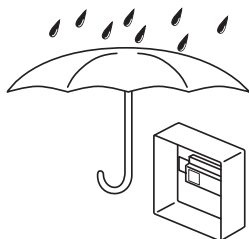
CHECK BEFORE INSTALLING KIT



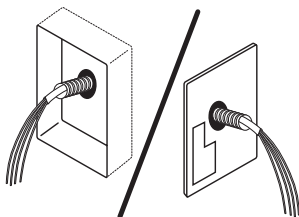
- ✓ The **Outdoor Panel** is well protected against damp and other atmospheric agents. However, in permanently adverse weather conditions such as heavy rain or saline environment it should be installed in a sheltered place in order to prolong the active lifespan of the equipment. Strong light may directly affect the telecamera (backlight) and cause the image lose contrast and/or clarity.



- ✓ For **Monitor** installation, select a flat, hard wall away from direct heat sources (radiators, stoves, heaters, ...) or smoky atmospheres (kitchens, etc.). We advise installing the **Monitor** in a spot where it may be heard from anywhere in the house.



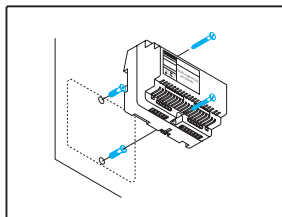
- ✓ The **Feeder** must always be installed indoors. It may be placed inside a DIN electrical switch box. Current legislation demands that it must be installed protected by a magnetothermal switch at the power output.



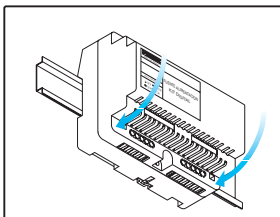
- ✓ Prior to installation of this equipment, connect the necessary cables between the Monitor, Outdoor Panel and Feeder following the corresponding installation diagram.

POWER SUPPLY INSTALLATION

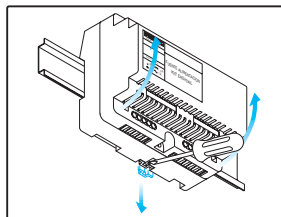
The **Power Supply** must be placed in a dry and sheltered place. Its DIN 6 format lets us install it in any junction box or directly onto the wall, using the screws and plugs supplied.



Wall assembly



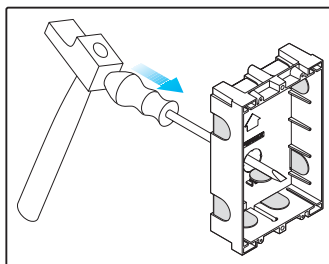
DIN rail assembly



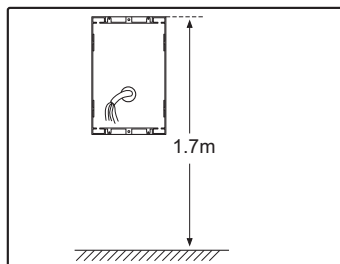
Disassembly

OUTDOOR PANEL INSTALLATION

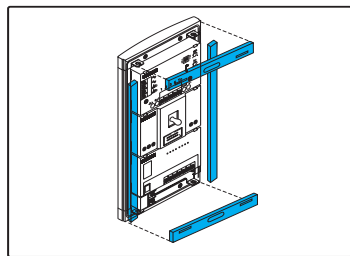
Follow the recommendations below for correct **Outdoor Panel** installation.



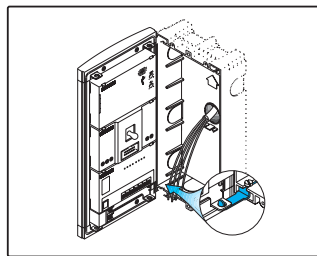
Make the holes necessary to pass the cables through.



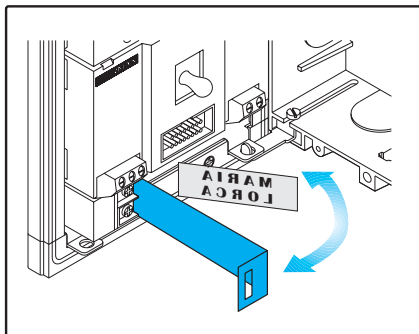
Recommended height



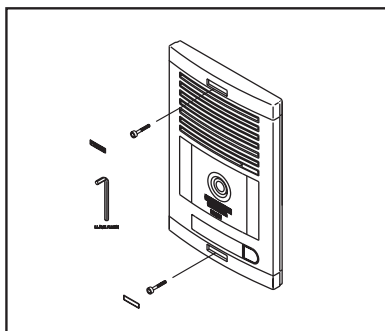
Fit the cellular damp-proof rubber strips supplied.



Utilise the hinges to fasten cables and manipulate the panel smoothly.



Insert one of the cards provided for house identification.



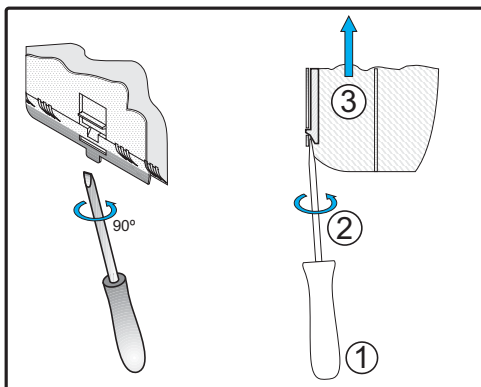
*Close the **Panel** and tighten the bolts with the Allen key supplied. Fit the plugs included in the Kit.*

VERY IMPORTANT NOTE

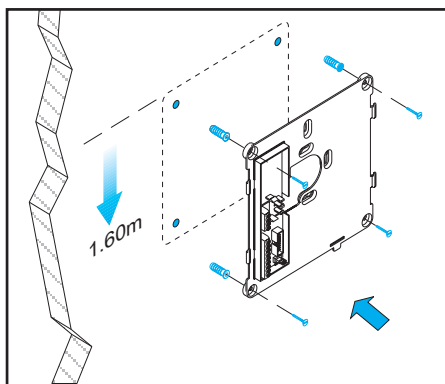
- ✓ *Before closing the panel, the monitor must be programmed for the final adjustments to made, checking audio and video.*

MONITOR MOUNTING

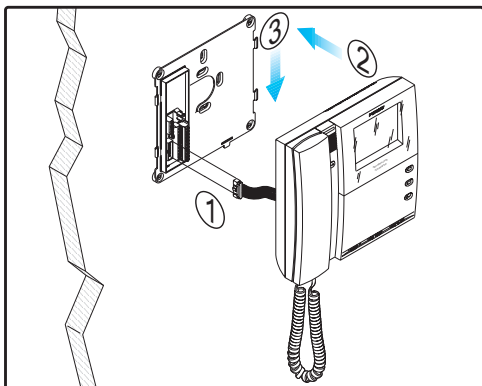
Monitor assembly details. Place the monitor on a hard, flat surface.



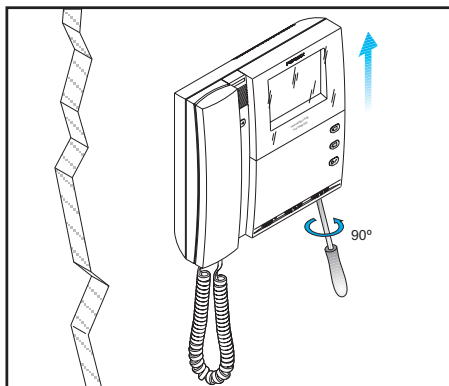
Separate the wall support



Recommended height



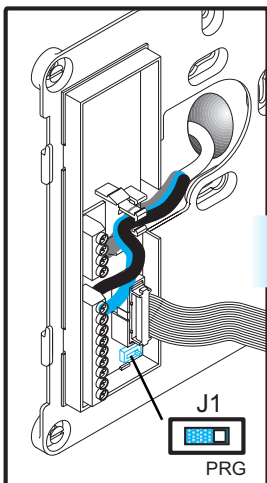
Assembly sequence



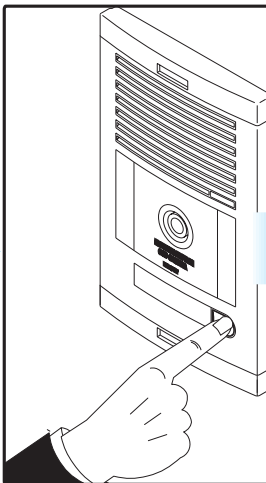
Dismantling. Use a small screwdriver.

MONITOR PROGRAMMING

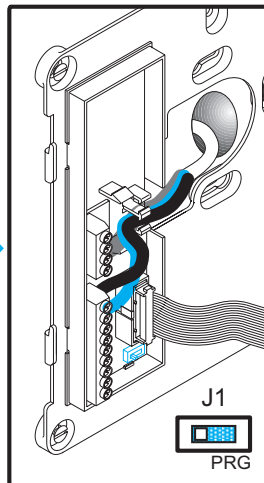
After wiring up the equipment, and with the monitor plugged in, proceed as follows:



1. Set the J1 switch in the **PRG** position. A confirmation tone is heard.



2. Press the house call button. Confirmation tone sounds again.



3. Return the switch to its original position and fit the **Monitor**.

The time between steps 1 and 2 must be less than 2 minutes. If this time is exceeded, place the jumper in its original position and start the sequence again.

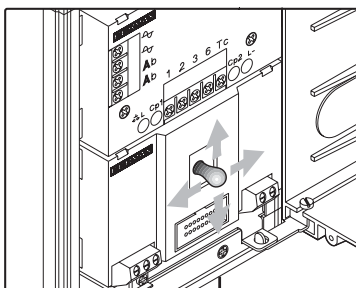
VERY IMPORTANT NOTE

✓ **The monitor will not operate until it has been programmed.**

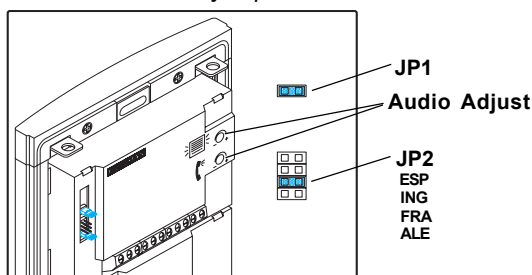
ADJUSTMENTS AND CONFIGURATIONS

VERY IMPORTANT NOTES before closing the panel

- ✓ Focus the telecamera by moving the lens towards the desired direction with the aid of the «pan and tilt» lever.
- ✓ Pan &Tilt adjust lets you move the lens 10° in all 4 directions.



- ✓ Adjust the volume potentiometers in direction street-house and house-street.
- ✓ Select the language of the spoken «door open» message with the JP2 switch.
- ✓ Leave the JP1 jumper set.



* JP1: Do not remove.

* JP2: Select language for spoken «door open» message.

Once the final adjustments have been made checking audio and video, you may close the panel.

KIT TECHNICAL FEATURES

Outdoor Panel

Power Supply: 18 Vdc.

Consumption:

- 40 mA. (on standby).
- 250 mA. (active audio).
- 300 mA. (camera).
- 70 mA. (lighting).

Audio capacity to street: 1 W.

Audio capacity to telephone: limited 0,25 W.

Volume regulable both ways.

Camera Lens: 3.6 mm. focal distance.

Composite Video Output : 1 Vpp.

Resolution: 450 lines (H) x 380 lines (V).

Sensitivity: 1 lux. Infrared lighting for night vision.

Operating Temperatura: 0 ÷ 60 °C

IP: 34

Monitor

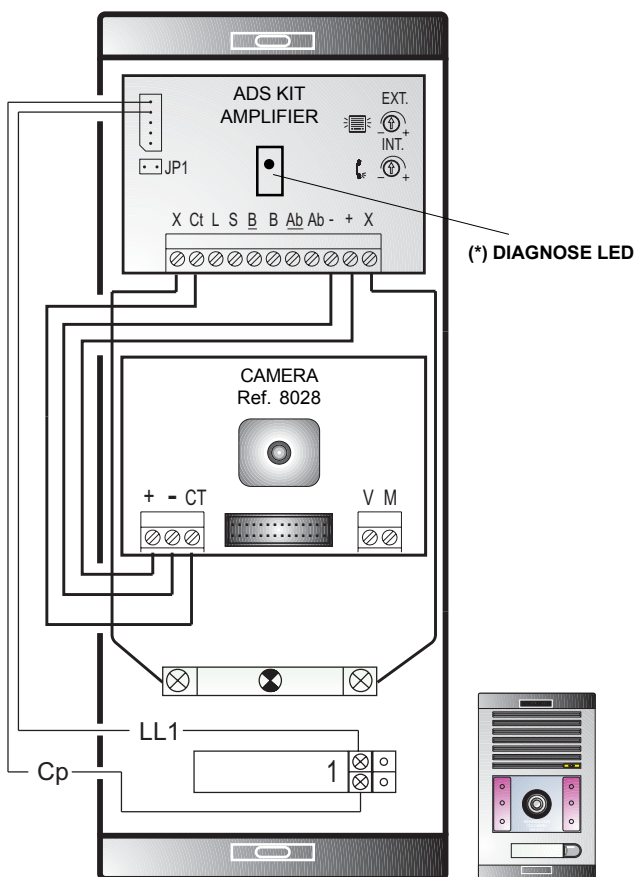
Power Supply: 18 Vdc.

Consumption:

- on standby: 200 mA.
- active: 400 mA.

OUTDOOR PANEL INTERNAL WIRING DIAGRAM

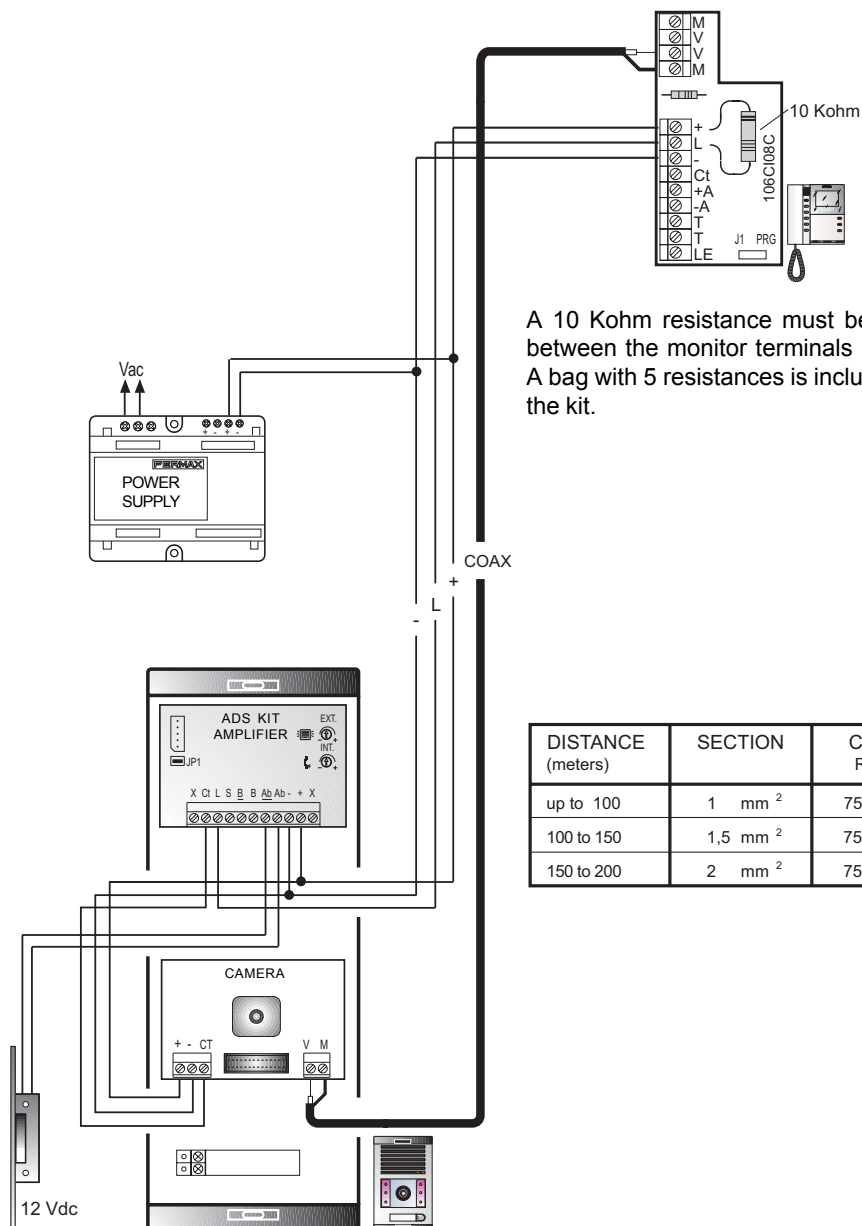
The Outdoor Panel comes prewired from the factory, both in the Kit with panoramic card slot (Videocontrol Kit) and the Kit with panel-integrated camera (Videocontrol Kit Plus). The system can work if these connections are altered or eliminated. Therefore, when you fit any wires in the prewired terminals you must keep the already existing wiring.



B/W Digital Videomemory 128 Outdoor Panel

(*) The ADS KIT amplifier incorporates electronic circuits to protect against installation wiring errors, presenting the symptoms in every case as explained in the INCIDENTS AND SOLUTIONS TABLE (at the end of this manual).

KIT WIRING DIAGRAM



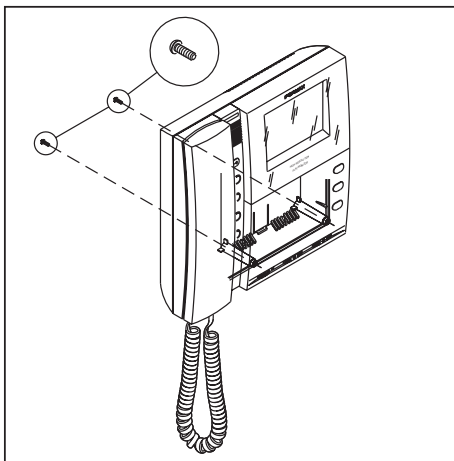
NOTE: The power supply may be placed at an intermediate point in the installation. Maximum distance from panel: 30 metres.

AUXILIARY DEVICES WIRING DIAGRAM

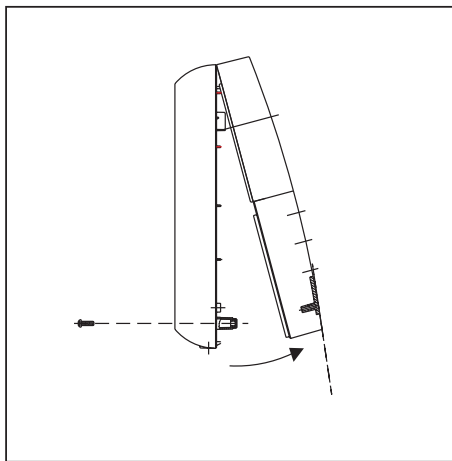
This Kit can be enhanced with the accessories listed below:

A BATTERY Ref. 2071 connection.

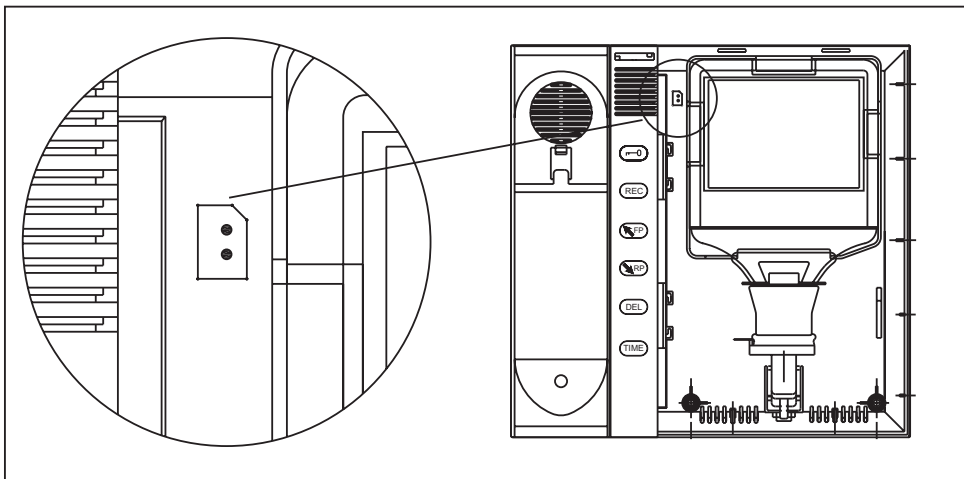
It is possible to connect a battery in Memory Monitor so in case the main supply fails the recorded images, time and date will not delete.



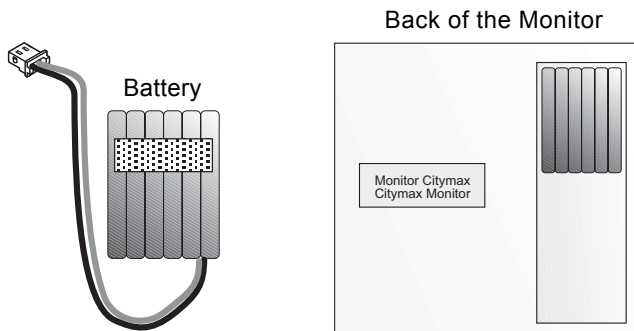
Remove the screws (back of the monitor).



Open the front of the monitor.



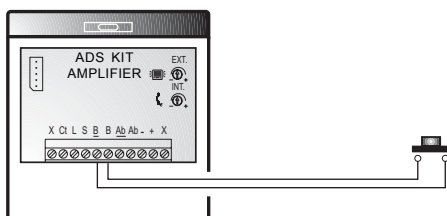
Pass the battery molex connector through the hole and connect as it is shown in the picture. Close the monitor.



Fix the rechargeable battery with velcro tape inside the connector cavity of the monitor.

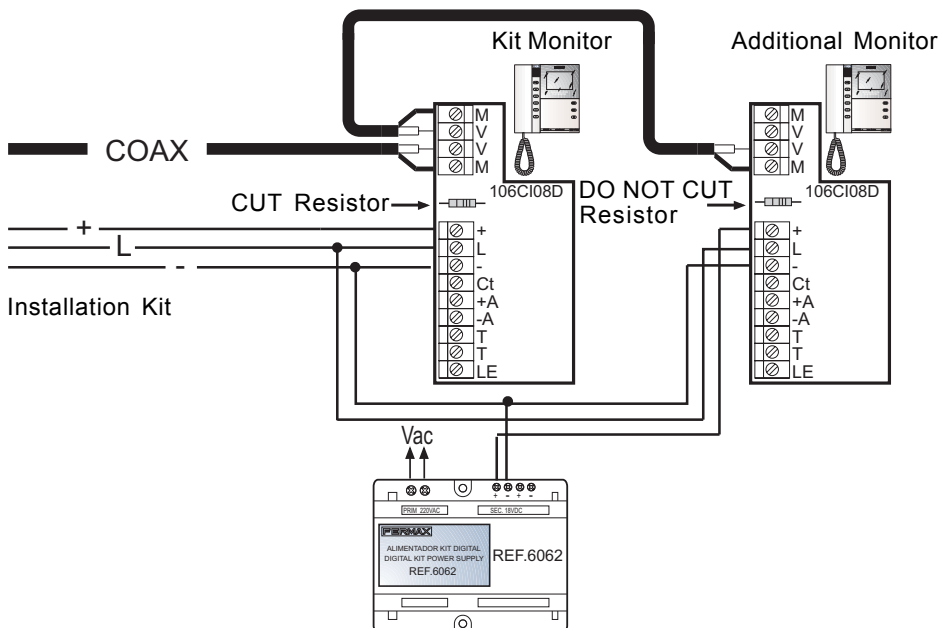
Door release button from inside.

Connection detail to install a pushbutton to release the lock of the panel from the inside.

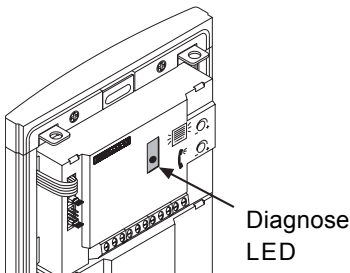


Additional monitor

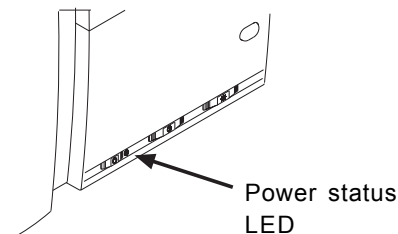
Connection detail for one additional monitor.




TROUBLESHOOTING TABLE



The ADS KIT amplifier has electronic circuits incorporated to protect against installation wiring errors, with a breakdown of the symptoms of each case explained in the INCIDENTS AND SOLUTIONS TABLE. The Diagnostic LED will indicate a short circuit between «+» and «L», or a wire inversion.



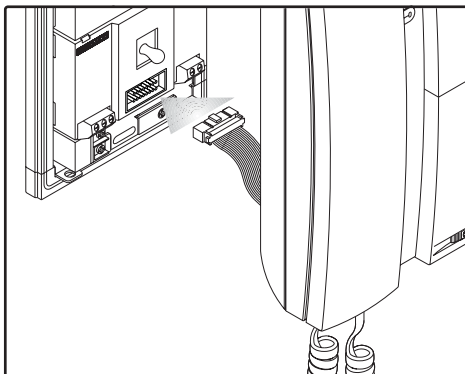
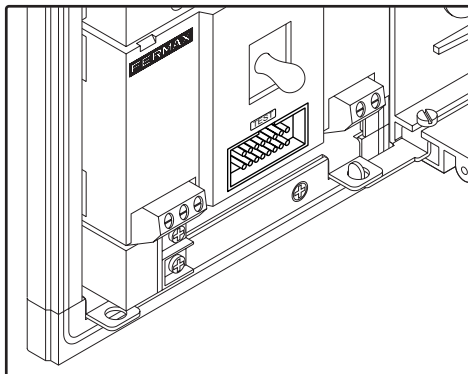
The ON indicator shows us if the Monitor is switched on.

The ON/OFF switch  must be ON. For prolonged periods of absence, use this switch to turn off (audio and video disconnect).

MONITOR TEST

The test connector incorporated in the Citymax telecamera is used once installation is complete, to check that either the Monitor or the telecamera are working properly. When the Monitor is placed on this connector the image will appear automatically.

This test does not rule out faults in the telephone line or the part of the installation corresponding to audio.



SYMPTOM	POINTS TO CHECK
<p>Nothing works.</p> <p>THE ON INDICATOR of the monitor is not lit.</p>	<p>Possible short circuit between wires «+» and «-» of the installation.</p> <p>Disconnect the supply, locate the short circuit and reconnect power after a few minutes. We advise reconnecting the installation in sections, until the problem is isolated.</p>
<p>The monitor cannot be programmed.</p> <p>When you enter programming, the image appears on the monitor but call monitoring cannot be heard.</p>	<p>Make sure you have fitted a 10 KOhm resistance between the «+» and «L» wires at the trunk end .</p> <p>Check that the installation complies with the cable section specifications and that maximum distance from the outdoor panel to the monitor is no more than 200 metres, as set out in the installation diagrams.</p>
<p>Monitor cannot be programmed.</p> <p>When you enter programming no image appears on monitor, nothing happens.</p>	<p>Check the supply tension in the monitor terminals. It must be no less than 14 Vdc when switched on (with the pilot indicator off).</p>
<p>When the system is switched on the panel starts to emit a series of short beeps.</p>	<p>There is a short circuit between wires «-» and «L», at some point in the installation or else they are inverted. Check the installation.</p>
<p>None of the monitors can be programmed. When call button is pressed from the Outdoor Panel, the DIAGNOSTIC LED blinks.</p>	<p>There is a short circuit between wires «-» and «L», at some point in the installation or else they are inverted. Check the installation.</p>
<p>After calling the monitor, there is no image on it, or a very distorted one.</p> <p>The ON indicator goes out.</p>	<p>Check that the video wires are not inverted at any point in the installation.</p>
<p>Door release does not work properly.</p>	<p>Make sure that you are using a 12 Vdc, 0.3 A. max. door release.</p>